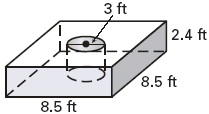
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_\_\_\_

CW 83: Volume

**Honors Geometry**

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| --- | --- | --- | --- |
| **Example 1:** Find the volume of a cube if the surface area of one face is 49 in2. | **Example 2:** Find the volume of the solid. Round your answer to two decimal places if necessary. | | **Example 3:** Find the volume of the solid. Round your answer to two decimal places if necessary. |
| **Example 4:** The volume of a right cylinder is  cm3. Find the value of x. | | **Example 5:** Finding area of funky shapes! Find the volume of the solid by determining how many unit cubes are contained in the solid. | |

**Example 6:** Find the volume of the solid. Round your answer to two decimal places, if necessary.



|  |  |
| --- | --- |
| 1) Find the length *x* using the given volume *V*.  *V*= 281.4 mm3 | 2) The right cylinder has had the center core removed. Find the volume of the cylinder without the center. Round your answer to two decimal places, if necessary. |
| 3) Find the surface area of the solid. Round your answer to two decimal places. | 4) Find the surface area of the solid. Round your answer to two decimal places. |
| 5) Find the surface area of the solid. Round your answer to two decimal places. | 6) Find the surface area of the solid. Round your answer to two decimal places. |
| 7) Find the volume of right cylinder. Round your answer to two decimal places. | 8) Find the volume of rectangular prism. Round your answer to two decimal places. |
| 9) Find the length *x* using the given volume *V. V = 1440 m3*  x = \_\_\_\_\_  Find the surface area. | 10) Find the length *x* using the given volume *V. V =  cm3*  x = \_\_\_\_\_  Find the surface area. |